

Curriculum Vitae

Yasuaki KIMURA

ERATO Project Researcher

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Education/Career

- 2008/3 **B.Sc**
Department of Pharmaceutical Sciences
The University of Tokyo (Prof. Masakatsu Shibasaki)
- 2010/3 **M.Sc**
Graduate School of Pharmaceutical Sciences
The University of Tokyo (Prof. Masakatsu Shibasaki)
- 2013/3 **Ph.D (Pharmaceutical Sciences)**
Graduate School of Pharmaceutical Sciences
The University of Tokyo (Prof. Motomu Kanai)
- 2013/4 - **ERATO Project Researcher**
Graduate School of Pharmaceutical Sciences
ERATO Kanai Life-Science Catalysis Project
The University of Tokyo (Prof. Motomu Kanai)

Fellowships

- 2010/4 – 2013/3 Research Fellow of the Japan Society for the Promotion of Sciences (DC1)

Memberships

- 2011 Elected Member of the Otsu Conference (since 2010 to present)***
The Pharmaceutical Society of Japan
The Society of Synthetic Organic Chemistry of Japan

* http://www.banyu-zaidan.or.jp/banyu_symp/symp/otsu/otsu.html

Publication List

- 1) Yamatsugu, K.; Yin, L.; Kamijo, S.; Kimura, Y.; Kanai, M.; Shibasaki, M.
“A synthesis of Tamiflu based on a barium-catalyzed Diels-Alder-type reaction”
Angew. Chem. Int. Ed. **2009**, *48*, 1070. (featured by *Synfacts* **2009**, 702).

- 2) Morita, M.; Drouin, L.; Motoki, R.; Kimura, Y.; Fujimori, I.; Kanai, M.; Shibasaki, M.
“Two Methods for Catalytic Generation of Reactive Enolates Promoted by a Chiral Poly Gd Complex: Application to Catalytic Enantioselective Protonation Reactions”
J. Am. Chem. Soc. **2009**, *131*, 3858. (featured by *Synfacts* **2009**, 626).

- 3) Kimura, Y.; Yamatsugu, K.; Kanai, M.; Echigo, N.; Kuzuhara, T.; Shibasaki, M.
“Design and synthesis of immobilized Tamiflu analog on resin for affinity chromatography”
Tetrahedron Lett. **2009**, *50*, 3205. (50 th Anniversary Special Issue)

- 4) Kimura, Y.; Yamatsugu, K.; Kanai, M.; Echigo, N.; Kuzuhara, T.; Shibasaki, M.
“Design and Synthesis of Resin-Conjugated Tamiflu Analogs for Affinity Chromatography”
Bull. Korean. Chem. Soc. **2010**, *31*, 588. (dedication issue to Professor Sunggak Kim).

- 5) Hiasa, M.; Isoda, Y.; Kishimoto, Y.; Saitoh, K.; Kimura, Y.; Kanai, M.; Shibasaki, M.; Hatakeyama, D.; Kirino, Y.; Kuzuhara, T.
“Inhibition of MAO-A and stimulation of behavioural activities in mice by the inactive prodrug form of the anti-influenza agent oseltamivir”
British J. Pharmacology **2013**, *169*, 115.

- 6) Kimura, Y.; Ito, S.; Shimizu, Y.; Kanai, M.
“Catalytic Anomeric Aminoalkynylation of Unprotected Aldoses”
Org. Lett. **2013**, *15*, 4130.

Presentations at International Conferences (○: Presenter)

- 1) ○Yasuaki Kimura, Kenta Saito, Kenzo Yamatsugu, Motomu Kanai, Noriko Echigo, Takashi Kuzuhara, Masakatsu Shibasaki
“DESIGN AND SYNTHESIS OF RESIN-CONJUGATED TAMIFLU ANALOGS FOR AFFINITY CHROMATOGRAPHY”
22nd International Symposium on Chirality (Chirality 2010; ISCD-22) [PB-45: Poster presentation]
Sapporo Convention Center, Hokkaido, JAPAN; July 12-15, 2010

2) oYasuaki Kimura, Soichi Itoh, Yohei Shimizu, Motomu Kanai

“A CATALYTIC AMINOALKYNYLATION REACTION TO UNPROTECTED ALDOSES”

13th Belgian Organic Synthesis Symposium (BOSS XIII) [P112: Poster presentation]

Leuven, Belgium; July 15-20, 2012

3) oYasuaki Kimura, Soichi Itoh, Tomohiro Yamamoto, Yohei Shimizu, Motomu Kanai

“A Catalytic Aminoalkynylation Reaction to Unprotected Aldoses”

The 7th International Forum on Chemistry of Functional Organic Chemicals [P-30 Poster presentation]

The University of Tokyo, Tokyo, JAPAN; November 18-19, 2012